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(71) Applicant (for all designated States except US): **INTERNATIONAL BUSINESS MACHINES CORPORATION** [US/US]; New Orchard Road, Armonk, New York 10504 (US).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **CHALLENGER, David, C.** [US/US]; 713 Hunting Ridge Road, Raleigh, NC 27615 (US); **KUMP, Gary, M.** [US/US]; 2402 Dial Drive, Apex, NC 27523 (US); **NOEL, Francis, E., Jr.** [US/US]; 4021 Swarthmore Road, Durham, NC 27707 (US); **SAFFORD, David, R.** [US/US]; 41 Indian Hill Road, Brewster, NY 10509 (US); **SCHALES, Douglas, L.** [US/US]; P.O. Box 41, Mt. Kisco, NY 10549 (US); **VAN DOORN, Leendert, P.** [NL/US]; 21 Cedar Street, Valhalla, NY 10595 (US).

(74) Agent: **SCHELKOPF, Bruce, J.**; International Business Machines Corporation, IP Law Dept. 9CCA/B002, P.O. Box 12195, Research Triangle Park, NC 27709 (US).

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(54) Title: **METHODS APPARATUS AND PROGRAM PRODUCTS FOR WIRELESS ACCESS POINTS**

(57) Abstract: Methods, apparatus and program products which monitor wireless access points through which data can be exchanged with a network, identify an unauthorized access point, and respond to monitored data flow in a variety of manners including determining the location of the identified unauthorized access point, establishing filtering, and controlling accounting for access services.

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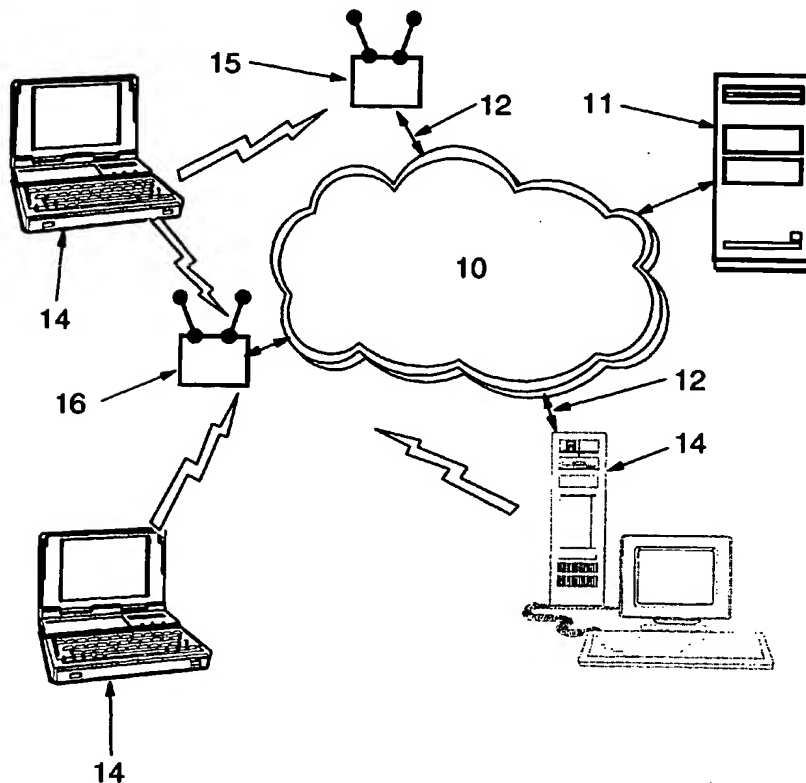
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[Continued on next page]

(54) Title: METHODS APPARATUS AND PROGRAM PRODUCTS FOR WIRELESS ACCESS POINTS



(57) Abstract: Methods, apparatus and program products which monitor wireless access points (12,16) through which data can be exchanged with a network (10), identify an unauthorized access point (16), and respond to monitored data flow in a variety of manners including determining the location of the identified unauthorized access point, establishing filtering, and controlling accounting for access services.



MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW.

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## INTERNATIONAL SEARCH REPORT

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PCT/US02/33648

## A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) :G06F 12/14

US CL :Please See Extra Sheet.

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

U.S. : 713/200, 201, 160, 161; 455/69, 517, 522, 410, 415, 436, 509, 524

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

EAST

search terms: network, monitoring, unauthorized

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5,895,497 A (HALSTEAD) 20 April 1999, Figures 1-3 and col. 1, line 1 to col 3, line 67.	1-26

☐ Further documents are listed in the continuation of Box C. ☐ See patent family annex.

* Special categories of cited documents:	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
"A" document defining the general state of the art which is not considered to be of particular relevance	"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
"E" earlier document published on or after the international filing date	"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)	"&" document member of the same patent family
"O" document referring to an oral disclosure, use, exhibition or other means	
"P" document published prior to the international filing date but later than the priority date claimed	

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Authorized officer

LY V. HUA

Telephone No. (703) 305-9684

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